			H. J
	Application No.	Applicant(s)	
Nada - E Allessel We	10/828,448	MALONE ET AL.	
Notice of Allowability	Examiner	Art Unit	
	Boris L. Chervinsky	2835	
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication GHTS. This application is subject to	olication. If not included will be mailed in due course. <b>TH</b>	
1. $\boxtimes$ This communication is responsive to <u>amendment filed on 0</u>	<u>19/12/05</u> .		
2. X The allowed claim(s) is/are <u>1-7,9-12,14-16 and 19-25</u> .			
<ol> <li>Acknowledgment is made of a claim for foreign priority un</li> <li>a) ☐ All b) ☐ Some* c) ☐ None of the:</li> </ol>	der 35 U.S.C. § 119(a)-(d) or (f).		
<ol> <li>Certified copies of the priority documents have</li> </ol>	been received.		
2.  Certified copies of the priority documents have	• • • • • • • • • • • • • • • • • • • •		
<ol><li>Copies of the certified copies of the priority doc</li></ol>	cuments have been received in this i	national stage application from the	е
International Bureau (PCT Rule 17.2(a)).			
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" of noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the requirements	
4. A SUBSTITUTE OATH OR DECLARATION must be submi INFORMAL PATENT APPLICATION (PTO-152) which give			
5. CORRECTED DRAWINGS ( as "replacement sheets") must	t be submitted.		
(a) I including changes required by the Notice of Draftsperso	on's Patent Drawing Review (PTO-	948) attached	
1) 🗌 hereto or 2) 🔲 to Paper No./Mail Date			
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	Amendment / Comment or in the O	ffice action of	
Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the	84(c)) should be written on the drawing header according to 37 CFR 1.121(c	ngs in the front (not the back) of	
<ol> <li>DEPOSIT OF and/or INFORMATION about the deposent attached Examiner's comment regarding REQUIREMENT F</li> </ol>			
Attachment(s) 1. □ Notice of References Cited (PTO-892)	5. ☐ Notice of Informal Page	atent Application (PTO-152)	
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☑ Interview Summary		
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/06	Paper No./Mail Date	e	
Paper No./Mail Date	_		
<ol> <li>Examiner's Comment Regarding Requirement for Deposit of Biological Material</li> </ol>		nt of Reasons for Allowance	
	9.		
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## **EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Ken J. Koestner, Reg. No. 33,004 on 10/27/05.

The application has been amended as follows: in claim 1, last line after "chassis" insert --, wherein the tube exterior to the electronic system chassis further comprises: an inlet tube and an outlet tube coupled to the heat exchanger body; and at least one hinge coupled to at least one of the inlet tube and outlet tube enabling the heat exchanger body to be rotated away from the electronic system chassis for user and/or service access--; claims 8, 13, 17, 18 are canceled; in claim 10 in last line after "seament" insert --, wherein the exterior tubing segment further comprises: an inlet tube and an outlet tube coupled to the heat exchanger; and at least one hinge coupled to the inlet tube and outlet tube enabling the heat exchanger to be rotated away from the electronic system chassis for user and/or service access--; in claim 14 in last line after "chassis" insert --, at least one fan selectively positioned to drive air in an airflow pathway passing between the parallel planar plate fins in the heat exchanger; and at least one fan selectively positioned within the chassis, separated from the heat exchanger--; in claim 21 line 11 delete [a] and insert -the--, after "exchanger" insert -at a hinged connection, the tubing loop--, in last line after "fins" insert --; and configuring

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the hinged connection whereby the liquid loop heat exchanger is enabled to be rotated away from the electronic system chassis for user and/or service access--.

## **REASONS FOR ALLOWANCE**

2. The following is an examiner's statement of reasons for allowance: the prior art is silent regarding the hinge coupled to the inlet and the outlet tube enabling the heat exchanger body to be rotated, and fans arrangement in the chassis in combination with other claimed elements.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Boris L. Chervinsky whose telephone number is 571-272-2039. The examiner can normally be reached on 8-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lynn D. Feild can be reached on 571-272-2800 ext. 35. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.

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For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

BORIS CHÉRVINSKY PRIMARY EXAMINER

10/31/5-